

**TETRA TECH, INC.**

4213 State St., Suite 205  
Santa Barbara, CA 93101  
Telephone (805) 681-3100  
FAX (805) 631-3108

Project: **Vandenberg Air Force Base**  
Log of Well No. **7-MW-3**

Location: **OU5, Bear Creek Canyon, approx. 100 ft west of intersection of Bear Creek Canyon and Surf Road.**

Date Started: **6/22/94** Completed: **6/23/94**

Logged By: **J. Rohrer/K. Beeler** Checked By: **B. Horwath, RG**  
*Rm 5-123*

Drilled By: **M. Hopkins, Layne Env.**

Drilling Equipment: **CME 750, HSA**

Sampling Equipment: **2" ID Split-spoon**

GS Elev.: **86.5** ft above MSL TD: **35.5 ft** bgs

4" PVC Blank Casing: from **0** ft bgs to **19** ft bgs

.010 " Screened Casing: from **19** ft bgs to **29** ft bgs

Bentonite/Cement Grout: from **1.5** ft bgs to **15** ft bgs

Bentonite Transition Seal: from **15** ft bgs to **17** ft bgs

2/12 Sand Filter Pack: from **17** ft bgs to **35.5** ft bgs

TOC Elev.: **88.20** ft above MSL

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Smp	REMARKS
	<u>silty sand</u> dark yellowish brown (10YR 4/6), fine grained, minor gravel, moderately sorted, subangular to rounded, moderate iron staining, medium dense, dry, fill.	SM		18 16 9	17	2.2/ 9.8	Start 1015.
5	<u>clayey sand</u> grayish brown (2.5Y 5/2), fine grained, subangular to rounded, medium dense, moist, alluvium.	SC		12 10 12	100	2.2/ 6.3	Base of fill at 3' bgs.  Sample V7MW3-5 sent for chemical tests.
10	<u>clay</u> light brownish gray (10YR 6/2), medium plasticity, very moist, alluvium.	CL		12 8 12	100	2.2/ 11.0	Sample V7MW3-10 sent for chemical tests.
15	<u>silty sand</u> dark yellowish brown (10YR 4/6), fine grained sand, minor fine gravel, moderately sorted, subangular to rounded, moderate iron staining, medium dense, moist, alluvium.	SM		6 10 13	100	0/1.0	
	<u>clayey sand</u> brown (10YR 5/3), fine grained sand, 20% fine gravel, subangular to rounded, slight iron staining, medium dense, wet, alluvium.	SC					
	<u>sand</u> grayish brown (2.5Y 5/2), fine to coarse grained, trace silt, poorly sorted, subangular to rounded, slight iron	SW		3 4	83	0/1.0	Start of PVC vee-wire screen.

11.0 ft bgs Groundwater depth during drilling

8.2 ft bgs Groundwater depth after well development on: **7/22/94**

TC Number: **7301-11**

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Continued Next Page

Page **1** of **2**

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Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Samp	REMARKS
25	staining, medium dense, wet, alluvium. <u>sand</u> grayish brown (2.5Y 5/2), fine to coarse grained, trace silt, poorly sorted, subangular to rounded, slight iron staining, medium dense, wet, alluvium.	SW		7  4 3 4	78	0/3.1	Heaving sands.  Sample V7MW3-25 sent for physical tests.
30	Trace subangular fine gravel at 29 feet.			19 21 18	100	0/3.0	
35	<u>clayey silt</u> dark greenish gray (5Y 3/1), low to medium plasticity, hard, slightly moist, alluvium.	ML		16 16 30	94	0/3.3	Sample V7MW3-30 sent for chemical tests.  TD=32' with 12" auger.  TD=35.5" with 8" auger.  End 1230.
40							